

1	MEANS UTILIZING FORCE FROM EXPLOSIVE OR THERMIC COMPOSITION	25	...Diametrically separable mold sections coacting with tire carcass
2	SHAPING MEANS EMPLOYING ANATOMICAL BODY OR PORTION THEREOF (I.E., ANIMAL OR PLANT)	26	.Means for supporting only a portion of a tire
3	WITH DIRECT APPLICATION OF MAGNETIC FORCE TO MANIPULATE SHAPING MEANS OR WORK	27	..Expansible internal support
4 R	WITH MECHANICAL MEANS FORMING OR EXPANDING PORES (E.G., FOAMING, ETC.)	28.1	RESHAPING, RESIZING OR VULCANIZING MEANS FOR TIRE, TIRE TUBE, OR DRIVE BELT
4 C	.Continuously	29	.Control means responsive to condition sensing means
5	MEANS ENCAPSULATING NORMALLY LIQUID MATERIAL	30	.Control means responsive to independently operated timer
6	MEANS MAKING PARTICULATE MATERIAL DIRECTLY FROM LIQUID OR MOLTEN MATERIAL	31	.Means shaping drum shaped preform to tire casing shape
7	.By means applying fluid jet or blast to unconfined liquid material	32	..Mold or housing encasing preform
8	.By slinger or rotating liquid comminutor	33	...And means inserting pressurizing diaphragm into mold or housing
9	..Cotton candy maker	34.1	.Plural female molds for plural preforms
10	.And distinct means applying congealing fluid to formed particles	34.2	..Forming belts (e.g., drive, transmission, endless)
11	PRODUCT OR PREFORM REPAIR OR RESTORING MEANS	34.3	..Within separate vulcanizing chamber
12	.Hand manipulable tool	35	.Toroidal or annular female shaping means and coacting means holding preform thereagainst
13	.Means feeding fluent stock under pressure	36	..Including distinct means to engage tire-type bead
14	.Shape conforming sleeve or deformable pressure wrap means	37	..Including core pins forming transverse voids in solid tire portion
15	.Tire segment engaging channel box coacting with pressure surface or rim	38	..Including means placing preform in mold or removing product from mold
16	..Adjustable sidewall channel box	39	..Female mold surface is expansible
17	.Tire recapping, rebeading or sidewall replacing means	40	..Including heating or cooling means
18	..Simultaneously on plural tires	41	...Electrical
19	..Including carcass or tread mold aligning means	42	...Within cavity of hollow preform
20	..Band or channel type recapping mold	43	..Coating holding means is expansible structure
21	...Including axially supported bead spreading means	44	..Means to directly apply fluid pressure to preform
22	...Including sidewall pressure platens	45	...Inner tube type including valve stem feature
23	...Means applying pressure to carcass interior	46	..Including removable tire tread shaping portion
24	...Means applying fluid pressure directly		

47	.Sectional female mold including locking or clamping assembly means	69	.Shaping orifice and bath or shower means mounted for relative movement
48	.Interior holding means or curing bag inserter, releaser, or remover	70	.Means directing product through tubular conduit within bath or shower means
49	.Internal mold, form or support for toroid	71	INCLUDING MEANS ADVANCING CONTINUOUS LENGTH WORK THROUGH DOWNSTREAM LIQUID BATH OR SHOWER MEANS
50	..Including heating or cooling means	72.1	SHAPING ORIFICE AND DOWNSTREAM WORK CONTACTING GASEOUS TREATING MEANS
51	..Expansible surface	72.2	.Orifice for filaments or fibers (e.g., spinneret)
52	...Fluid pressure actuated diaphragm type	73	INCLUDING VENTILATING TYPE HOOD OR CHAMBER ENCASING A MATERIAL HANDLER
53	...Including valve stem	74	.Recovering or recycling gas or vapor
54	..Sectional	75	.Material handler is endless casting surface
55	..Removable portion	76	MEANS IMPARTING IRREGULAR DENIER TO FILAMENTS
56	...Annular assembly clamping ring	77	ULTRA HIGH PRESSURE GENERATING DEVICE
57	...Internal support held in assembly by cam or wedge means	78	MEANS FOR MOLDING POWDERED METAL
58	..Bead clamping means, air bag support means or means sealing tire opening	79	.Continuous length product formation
58.1	.Post cure inflator	80.1	AIR FELTING TYPE SHAPING MEANS
59	UTILIZING SUBTERRANEAN FEATURE AS SHAPING MEANS	81.1	.Means forming stratified products
60	BOOM MOUNTED DEPOSITING AND FORMING MEANS OF THE CARROUSEL TYPE	82.1	.With particle liberating means (e.g., cutting, carding, etc.)
61	WITH SHIP OR BOAT LAUNCHING MEANS OR DRYDOCK	83.1	.Means forming running length product
62	WITH TRANSPORTATION DEVICE FOR RELOCATING MOLDING APPARATUS TO DIFFERENT SITE (E.G., LAND VEHICLE, ETC.)	84	WITH FORAMINOUS OR ABSORBENT MEANS FOR REMOVAL OF VEHICLE OR COMPONENT IN LIQUID FORM DURING OR AFTER SHAPING
63	BUILDING FORMS OR CONSTRUCTION ENGINEERING TYPE MOLD WITH REPOSITIONING MEANS FOR PROGRESSIVE MOLDING	85	.Vacuum means
64	.Including mold charging means	86	INCLUDING HANDLING MEANS OR FEATURE FOR TREATING LIQUID OR VEHICLE LIQUID, OR CONDENSATE
65	.Means penetrating or embedded in previously formed section to support mold	87	HAND MOVABLE, SUBSTRATE TRAVERSING, PLURAL DIMENSION SHAPING MEANS INCLUDING MOLDING MATERIAL SUPPLY
66	CONTINUOUS FILAMENT FORMING OR FILM CASTING MEANS WITH STRETCHING MEANS COMPRISING PRODUCT ADVANCING MEANS	88	WITH FACTORY STRUCTURE FEATURE
67	IMMERSED SHAPING ORIFICE DISCHARGING DIRECTLY INTO LIQUID BATH OR SHOWER MEANS	89	WITH INTERPOSED NON-ADHERING WEB OR SHEET TYPE PARTING MEANS
68	.Additional downstream means for treating product by fluid	90	WITH MEANS APPLYING COATING (E.G., PARTING, ETC.) MATERIAL TO WORK OR WORK CONTACT MEANS

91	.Plural diverse type applicators	507	..Means to modify temperature of work or product
92	.Plural spaced applying means applying material to work and work contact means	508	...Heating
		509	...And cooling
93	.Immersion type	510	..Severing means
94	.Means contacting work downstream of shaping member	511	...And means for forming preform from bulk material
95	.By means attached to or within male shaping member	512	...Plural distinct severing means
		513	...Diverse
96	.Separate means applying material directly to shaping means, dough divider trap chamber, or between work and shaping means	514	...Downstream of bonding means
		515	.With additional shaping means to form or reshape preform upstream of bonding means
97	..By means injecting material into extrusion head or nozzle	516	..Extrusion
98	..To female mold or dough divider trap chamber	517	.Means press fitting or forcibly embedding one preform into another preform
99	...Orbital or conveyor mounted mold	518	.Plural reshaping means
		519	..Opposed, registering, coating mold cavities
100	...By spray means or pneumatic conveyor type applicator	520	.Opposed coating press members
101	..To endless surface type shaping means	521	..Male shaping member and female mold
102	.To work contact means upstream of shaping means	110	DISTINCT MEANS TO FEED, SUPPORT OR MANIPULATE PREFORM STOCK AND MEANS FOR SHAPING FLUENT OR BULK STOCK TO FORM UNITED PRODUCT
103	..By spray means or pneumatic conveyor type applicator		
104	.To work downstream of shaping means	111	.And means to apply stress to preform and uniting in stressed condition
105	..By means striping or applying a definite pattern		
106	..With reshaping or cutting means downstream of coating means	112	.And means to form or reshape preform
107	WITH MEANS LUBRICATING COOPERATING APPARATUS PARTS	113	.Extrusion shaping means
108	ROD END TO ROD END SPLICING OR JOINING TYPE	114	..Means to feed or support plural preforms to or at extrusion means
500	PREFORM ASSEMBLY MEANS AND MEANS FOR BONDING OF PLURAL PREFORMS INVOLVING PREFORM RESHAPING OR VULCANIZING	115	.Endless surface means to shape fluent material
		116	.Opposed registering coating female molds
501	.Vulcanizing or curing means including a conforming preform support	117	.Female mold type means
		118	..Including hand manipulatable support for edible receiver (e.g., ice cream cone, etc.)
502	..With means to release or remove product from support	119	..Shoe last type support for preform
503	.Reshaping means utilizing fluid pressure directly contacting work	120	..Plural sources feeding the fluent material
504	..Vacuum or suction	121	..Means to feed or support common preform to or at spaced female molds
505	.Means forming indefinite length product		
506	.With treatment means other than assembling, bonding, shaping or reshaping means	122	..Means to continuously feed indefinite length preform

123	..Means to support plural preforms in spaced relation in or at common female mold	147	..By stopping or adjusting flow responsive to material level in collector or mold
124	...Washer type preform	148	..By means responsive to weight of feed material
125	..Female mold or preform support vertically movable	149	.Molding pressure control means responsive to pressure at shaping area (e.g., injection or press mold, etc.)
126.1	..Means to convey preform to female mold	150	.Mold motion or position control
126.2	...Stick inserter	151	WITH SAFETY FEATURE
127	..Preform stock acting as reaction shaping surface cooperating with recessed fluent stock shaping means	152	.Plural starting buttons or mold operating means dependent upon position of a machine element
128	..Coacting pressure means	153	.Secondary means to prevent accidental motion, (e.g., mold closing, etc.) or means to relieve gaseous pressure
129.1	..Means to charge fluent stock under pressure	154	.Means to alter operation due to presence of foreign matter or overload
129.2	...Shoe or boot	155	WITH CONTROL MEANS RESPONSIVE TO INDEPENDENTLY OPERATED TIMER
130	MEANS FEEDING FLUENT STOCK FROM PLURAL SOURCES TO COMMON SHAPING MEANS TO FORM COMPOSITE PRODUCT	156	.For timing period mold is closed or period molding pressure is maintained
131.1	.Extrusion shaping means	157	..In press mold cycle
131.5	..Comprising spinnerette	158	...With timer for molding material preheat period
132	..Intermittent feed	159	.For timing mold filling means
133.1	..Concentric	160	.For timing heating or cooling means
133.5	..For extruding film	161	INTERLOCKED DIVERSE FUNCTION ELEMENTS
134	.Traveling female mold type shaping means	162	WITH ELECTRICAL CONTROL SYSTEM
135	CONTROL MEANS RESPONSIVE TO OR ACTUATED BY MEANS SENSING OR DETECTING A CONDITION OR MATERIAL TRIGGERED	163	.Of diverse shaping means or sequential contact of work with different shaping elements
136	.Means responsive to abnormal condition completely stop operation of machine	164	.For severing product from shaped mass
137	..Means responsive to material remaining in mold from previous molding operation	165	.Of product removal from molding surface
138	..Means responsive to improper mold position	166	.Of intermittent delivery of fluent charges to shaping surface
139	.Article ejector or stripper control	167	.Of ram or platen reciprocation in press molding cycle
140	.Control means responsive to product weight or dimension	168	WITH MEANS ADJUSTING SYNCHRONIZATION OR COMPENSATING FOR WEAR
141	..Thickness	169	WITH INDICATOR, SIGNAL, RECORDER, ILLUMINATOR, OR INSPECTION MEANS
142	.Cutter control		
143	.Temperature control		
144	..Of mold cavity or fluent material to shaping or discharging orifice		
145	.Feed control of material en route to shaping area		
146	..By pressure actuated valve		

170	.For molding temperature or pressure	190	.For extrusion or injection type shaping means
171	.For determining, observing, or recording position of adjustable element	191	..Threaded die or die housing
172	..Element is means determining product size	192 R	..Including securing means retaining separable elements
173	.Means permitting visual inspection by operator	192 S	...Spinnerets
174	MEANS APPLYING ELECTRICAL OR WAVE ENERGY DIRECTLY TO WORK	193	.For press shaping surface
174.2	.Sonic or supersonic wave energy	194	..Calender roll or roll face
174.4	.Radiated energy	195	..Female mold
174.6	.Electrical energy conducted through work	196	.Blade type harvesting means or severing means
174.8 R	..Electro-static or inductive field	197	WITH UPSTREAM SCREEN OR PERFORATED PLATE FOR STRAINING, HOMOGENIZING, OR MIXING MATERIAL TO BE SHAPED
174.8 E	..Electro-static	198	.Upstream of multi-orifice shaping die
175	MEANS FORMING A MOLD; OR FLASK, PER SE	199	.Plural screens or plates
176	.Including means to separate subsequently molded product from formed mold (e.g., destructible starch type, etc.)	200	WITH SEPARATE AND DISTINCT UPSTREAM AGITATING OR KNEADING MEANS
177	.Press means to form mold	201	.Mixing roll type (e.g., rubber mills, etc.)
178	.Including ram type feed of molding material or means to break bond between flask and contents	202	.With cutting, severing or comminuting means
179	.Including, structurally integral fastening means	203	.With separate and distinct gas withdrawal chamber
180	.Three part flask	204	.Plural means being diverse, or parallel and intermeshing or concentric
181	CONVERTIBLE	205	.Serially arranged chambers each housing a kneading or mixing means
182	WITH APPARATUS ASSEMBLY OR DISMANTLING MEANS OR WITH IDLE PART	206	.Within or at forming means
183	.Plural wear or shaping surfaces mounted for alternative use	207	.Within pressurizing chamber
184	.Shaping and severing means mounted for alternative use	208	..By modified screw helix
185	.Means permitting removal or substitution of elements during apparatus operation	209	.Agitator or kneader comprises means rotating about a horizontal axis
186	.Including support or guide means for disassembled element	210	WITH MEANS CLEANING AND PURIFYING ATMOSPHERE SURROUNDING MOLDING DEVICE
187	.Means excavating from bulk with simultaneous shaping (e.g., ice cream scoop or plugger, etc.)	211	WITH SOUND MUFFLING OR DAMPENING MEANS
188	.Pivotally joined housings or housing sections enclosing removable element	212	WITH MEANS TO RESET OPERATION CYCLE
189	.By handle or handwheel means	213	WITH PERSONNEL SUPPORT MEANS
		214	WITH MEANS TO RETARD OR STOP MOVING ELEMENT (E.G., BRAKE, ETC.)
		215	WITH MEANS TO GATHER EXCESS OR REJECTED STOCK MATERIAL
		216	.Dynamic gatherer
		217	..Recycling type

218	FEMALE MOLD AND COOPERATING STOCK SMOOTHING MEANS OR EXCESS STOCK REMOVING MEANS	522	FEMALE MOLD AND MEANS TO SHAPE PARISON DIRECTLY BY INTERNAL FLUID PRESSURE, (E.G., BLOW MOLD, ETC.)
219	.Means carried by or attached to feeder	523	.Utilizing laminated parison
220	.Conveyor or roll mounted mold with stationary smoothing or removing means	524	.With filling means
221	.For means excavating from bulk source with simultaneous shaping (e.g., ice cream scoop or plugger, etc.)	525	.Forming baffle, bottleneck, or handle
222	TUMBLING TYPE AGGLOMERATING MEANS FOR PARTICULATE MATERIAL	526	.With heating or cooling means
223	ENDLESS CASTING SURFACE AND COOPERATING HARVESTING MEANS	527	.With means to sever product
224	MEANS CASTING FLUENT STOCK OPERABLY ASSOCIATED WITH SHAPING SURFACE TO FORM INDEFINITE LENGTH PRODUCT WITH SEPARATE APPARATUS CLEANING MEANS	528	.Including means to prepare parison
225		529	..Parison stretching means
226	.Coacting with diverse apparatus elements	530	...Comprising staged inflation means
227	.Coacting with forming means or dough divider type trap chamber	531	..Parison severing means
228	..Reciprocating cleaner moving across a plunger face	532	..Parison forming extruder
229	..Cleaner moving into working engagement	533	..Parison forming injection mold
230	..Cleaner coacting with endless surface press forming means or film forming casting surface	534	..Parison transfer means
231	..Cleaner coacting with traveling former	535	.Including blowing medium supply means
232	.Coacting with work contact means (e.g., conveyor or cutter, etc.) downstream of former	536	..Needle
233	SETS OF PRESS COUPLES COMPRISING REGISTERING FEMALE MOLD CAVITIES	537	.Including product ejector
234	.Stacked	538	.Plural female molds and means to shape parison at each directly by internal fluid pressure
235	.Coacting cutting; edges on female mold sections	539	..With means to support molds for movement with continuously moving work
236	.Including positive means to eject product	540	..With rotary support for molds
237	.Mounted on rolls	541	.Including means to close or lock blow mold
238	DOUGH DIVIDER TYPE INCLUDING TRAP CHAMBER	542	FEMALE MOLD AND CHARGER TO SUPPLY FLUENT STOCK UNDER PRESSURE THERETO IN FLUID-TIGHT RELATIONSHIP (E.G., INJECTION MOLD, ETC.)
239	.Including positive discharge assistant in supply hopper	543	.Molding of thermosetting or cross-linking stock
240	.Reciprocating ram feeding to rotating trap chamber	544	..Means for transfer molding
241	.Rotating trap chamber pickup	545	.To make slide fastener element
		546	.With means to evacuate mold or provide controlled environment
		547	.With means to heat or cool
		548	..Plural distinct means
		549	..Including heated or cooled nozzle
		550	..Including heated or cooled plasticizer
		551	..Including heated or cooled material supply hopper
		552	..Cooling means for female mold
		553	.With preform severing means movable relative to mold
		554	..And product ejector

555	.With shrinkage compensation means	585	.Including feeder to supply stock to charger
556	.With product ejector	586	..Means to feed measured charge
557	.With accumulator, trap chamber, or serially arranged valves between charger and mold	587	..Screw feeder
558	..Changeable volume accumulator	588	.Plural mold cavities
559	..Accumulator with check valve supplying fluent thereto	589	.With means to close mold
560	..Including valve to alternatively direct fluent stock to accumulator or mold	590	..Varying pressure and/or speed closing
561	..Accumulator with plunger of charger acting as valve	591	..Common fluid pressure closes mold and performs injection
562	.With means between charger and mold to cut off flow of fluent stock (e.g., needle valve, baffle, etc.)	592	..Including articulated link
563	..Biased, pressure responsive means	593	...Toggle
564	..Nozzle valve	594	..Charger and closing means on same side of mold
565	...Mold actuated	595	.With means to lock mold in closed position
566	...Flush with or entering mold cavity	253	FEMALE MOLD, PALLET HANDLING MEANS AND MEANS TO CHARGE FEMALE MOLD
567	.With coupling between charger and mold	254	.Including magazine type pallet supply means
568	..Including sepcific nozzle	255	.Pallet supported within mold sidewalls by vertically movable stripper
569	...And means to connect nozzle to mold	256	FEMALE MOLD AND MEANS TO FEED MEASURED CHARGE OF FLUENT MATERIAL THERETO
570	...Plural nozzles	257	.Plural separate and distinct feeders
571	...Flush with or entering into mold cavity	258	.Means to move feed means to female mold
572	..Supplying fluent stock to plural mold cavities	259	..Traveling female mold
573	..Including plural passages to single mold cavity	260	..Drawer type feed coacting with mold having movable bottom
574	.With means to cause relative movement between mold and charger	261	.Means to sequentially move female mold
575	..Means to move mold	262	MEANS WITHDRAWING TROWEL TYPE SHAPING MEMBER FROM WITHIN OPEN ENDED MOLD TO SHAPE MATERIAL THEREIN
576	...Rotary mold support	263	POTTERY WHEEL TYPE SUPPORT AND PROFILE
577	.Mold having movable core or movable pin	264	.Including separate and distinct male plunger
578	.With normally open stock chamber (e.g., hopper, etc.)	265	.Plural profile tools of diverse configuration
579	..Charger including a shaping surface (e.g., Briquetting means, etc.)	266	.Plural female molds or preform supports
580	..And feeder to supply granular fluent stock to charger	267	.Rotatable profile tool
581	...Including plural molds	268	.Externally engaging profile tool
582	...Rotary feeder	269	DIPPING TYPE SHAPING MEANS
583	...Reciprocating feeder	270	.Mounted on moving support
584	...Air or vacuum utilized to feed stock	271	..Including means to infect or withdraw gas from internal portion of shaping means

272	..Means causing diverse motion of shaping means (e.g., rotating during dipping, etc.)	298	.Configuration of cutting implement providing shaping cavity
273	..Means moving immersion bath	299	..Including surface deformation means
274	..Including stripper means	300	..Honeycomb type cutters coating internally of female mold or mold sidewalls
275	.Dipping form per se	301	.Diverse severing means
276	MEANS EXCAVATING FROM A BULK SOURCE WITH SIMULTANEOUS SHAPING (E.G., ICE CREAM SCOOP OR PLUGGER, ETC.)	302.1	..Serially arranged with preform reshaping means
277	.Means includes enclosure for fluids of high specific heat	303	..Corrugating reshapener
278	.Including means to arrange shaping surface during penetration of bulk	304	..Separate and distinct surface deformation means
279	.Including means to aid separation of shape product from bulk	305.1	..Severing means preceding shaping means
280	.Rotating or oscillating means to aid penetration of bulk	306	.Plural distinct cutters
281	.Shaping surface having serrated or cutting edge	307	..Cutters downstream of former
282	.Including product release means	308	.Means forming from bulk and downstream severing means
283	..Segmented or expansible shaping surface	309	..Cutter operated by means extending from within shaping orifice
284	..Movable blade	310	..Utilizing former as cutter reaction surface
285	...Pivoted to rim	311	...Moving cutter, stationary former
286	..Ejector	312	...Cutter mounted on flexible endless conveyor
287	FORMER OF THE DIE EXPRESSING TYPE MAKING DOUGHNUT SHAPES	313	...Single assembly plural cutting elements
288	.Relatively movable concentric internal and external members coating with orifice means	314	..Stationary cutter, plural forming
289	PREFORM SEVERING MEANS	315	..Utilizing product handler downstream of former as cutter aid
290	.Severing means is perforator	316	...Single assembly plural cutting elements
291	..With scoring or diverse severing means	317	COMBINED
292	.Cutter guided by or cooperating with peripheral edge of female mold	318	HAND MANIPULABLE SHAPING COUPLE
293	..And crimper	319	MEANS TO FORM PREFORM FROM BULK AND MEANS TO CONVOLUTE OR TWIST THE PREFORM
294	.Rotating means comprising circumferentially extending cutting and shaping channels coating with a roll or platen having complementary channels	320	.Convoluting means includes an endless surface
295	.Cutter guided by a template or a pattern	321	..Convoluting means includes two or more endless surfaces
296	.Means for forming from bulk material, means for severing and means for reshaping	322	..Convoluting means includes a roll
297	..Severing means preceding reshaping means	323	PRETZEL BENDING TYPE
		324.1	DIVERSE DISTINCT TYPE SHAPING MEANS

325	.Shaping orifice and either a downstream preform reshaping means or vulcanizing means including conforming preform support	344	PLURAL SETS EACH COMPRISING A FEMALE MOLD AND OPPOSED COAXIAL DYNAMIC PRESS MEMBERS
326.1	..Utilizing a fluid pressure differential as a reshaping means	345	.Molds or press members traveling transversely to molding motion
327	..Reshaping or vulcanizing means is a press	346	SETS OF MALE-FEMALE PRESS MOLDS
328	.Roll means and diverse press means	347	.Traveling female mold
329	THREE OR MORE ENDLESS SURFACES COOPERATING TO DEFINE A SHAPING APERTURE	348 R	..Orbiting
330	THREE OR MORE PLATENS MOVABLE ON INTERSECTING PATHS TO DEFINE A SHAPING CAVITY	349	...Reciprocable mold, non-reciprocable plunger
331	TRAVERSING ROLL PRESSURIZING MEANS OPERABLY ASSOCIATED WITH DOWNSTREAM PERFORATED PLATE	350	...Including positive downstream ejection means
332	MEANS IMPARTING ROLLING ACTION TO DISCRETE CHARGE OF STOCK TO FORM A BALL	348 S	...Split female mold
333	.Molding means having material shaping guideway providing arcuate path	351	.Including positive means to eject product
334	SETS OF CONVOLUTING OR TWISTING MEANS	352	FEMALE MOLD AND OPPOSED COAXIAL DYNAMIC PRESS MEMBERS
335	SETS OF SHAPING COUPLES COMPRISING AN ENDLESS SURFACE FOR PRESS FORMING, RESHAPING (PLURAL STAGE OR PASS) OR VULCANIZING	353	.Mold or press member traveling transversely to molding motion
336	.Corrugating means for running length work	354	.Opposed press members simultaneously moving in the same direction
337	.Including intermediate chute, conveyor or guide means	355	.Opposed press members each moving one at a time toward the other
338	GANG-PRESS, PLURAL PARALLEL LEAVES OR PLATENS	356	PLURAL SHAPING PLUNGERS OR ROLLS COACTING WITH A SINGLE FEMALE MOLD
339	.Reshaping or vulcanizing means including conforming preform support	357	PLURAL FEMALE MOLD CAVITIES COOPERATING WITH SINGLE PRESS MEMBER
340	PLURAL RESHAPING MEANS OR PLURAL VULCANIZING MEANS INCLUDING CONFORMING PREFORM SUPPORT	358	.Male-type press member
341	.Including plural feeding means for preforms	359	..Transversely traveling female mold cavities
342.1	.Including means for contacting work by fluid pressure	360	...Orbiting about horizontal axis
343	.Spaced reshaping or vulcanizing means acting on a single preform	361	...Orbiting about vertical axis
		362	.Roll press member coacting with endless surface having product forming shape imparting cavities
		363	PRESS FORMING MEANS, PRESS RESHAPING MEANS, OR VULCANIZING MEANS IS ENDLESS SURFACE TYPE
		364 R	.Endless belt coacting with stationary platen or with reciprocating shaping means
		364 B	..Bagel
		365	.Roll mounted within cooperating drum
		366	.Cooperating rolls having nonparallel axes
		367	.Including means to adjust relative position of a roll
		368	.Expansible roll type

369	.Means corrugating a preform	391	.Convoluting or twisting means
370	..Endless belt	392	.Rod or tubular preform
371	.Cooperating endless belts	393	..Mandrel to interiorly support work and means urging work against mandrel
372	..Including speed differential means	394	.Coacting shaping surfaces (e.g., pressure surfaces, etc.)
373	.Roll and coacting endless belt press member	395	..Opposed, registering, coacting mold cavities
374	.Roll and coacting stationary shaping surface	396	..Corrugating platens or dies
375	PATTERN CONTROL OF TRAVEL FOR A FORMING MEANS (E.G., DEPOSITING, ETC.)	397	..Including particular handling means for preform
376.1	STOCK PRESSURIZING MEANS OPERABLY ASSOCIATED WITH DOWNSTREAM SHAPING ORIFICE	398	..Relatively reciprocating plunger and female mold
377	.Including product handling means	399	...Stationary plunger and reciprocating female mold
378.1	.Including heating or cooling means	400	...Including means positioning or centering work
378.2	..Spinneret	401	...Including sprue or vent
379.1	..Plural spaced	402	.Utilizing rotary motion of work
380	.Including auxiliary shaping means (e.g., mandrel, etc.) associated with molding orifice	403	.Shaping surfaces per se (e.g., mandrel, etc.)
381	..Movable orifice or movable mounted inner mandrel within orifice	403.1	.Including product handling means
381.2	.Centripetal elastic melt extruder type	404	SHAPING MEANS AND SUBSEQUENT PRODUCT TREATMENT MEANS
382 R	.Plural orifices	405.1	MEANS TO CREATE A VACUUM OR APPLY FLUID PRESSURE WITHIN A PRESS FORMING MOLD
382.2	..Spinneret type	405.2	.Isostatic type
382 N	..Netting	406	PRESS FORMING APPARATUS HAVING OPPOSED PRESS MEMBERS
382.3	.Including additional rotating means downstream of the primary pressurizing means	407	.Including both heating and cooling means
382.4	.Including restriction upstream of shaping orifice and downstream of primary pressurizing means	408	.Opposed, registering, coacting mold cavities
383	PREFORM RESHAPING OR RESIZING MEANS: OR VULCANIZING MEANS INCLUDING A CONFORMING PREFORM SUPPORT	409	.Pressure applying member mounted for arcuate motion
384	.Including both heating and cooling means	410	.Periphery of female mold limiting the movement of a dynamic press member
385	.Surface deformation means only	411	.Opposed press shaping members insertable between opposed pressure applying means
386	..Sealing wax type	412	.Male shaping member and female mold
387.1	.Including shaping means comprising fluid pressure contacting work directly	413	..Including pallet handling means
388	..Vacuum or suction means	414	..Including means to insert or remove core
389	.By fluid pressure actuated flexible diaphragm	415	..Female mold movably associated with opposed press surfaces position therein
390	..Opposed, registering, coacting mold cavities	416	..Male shaping member penetrating superposed mold
		417	..Expansible male shaping member

418	..Means rotating male shaping members	446	.In or on work confining surface
419	..Including means varying pressure of male shaping member during pressing	447	FORMING SURFACE AND MEANS FEEDING FLUENT STOCK THERETO
420	..Including provision to remove entrained gas	448	.Trap measuring compartment (e.g., feed drawer, etc.)
421	..Including vibrator or tamper	449	.Utilizing positive charging means
422	..With positive means to remove or eject product	450.1	MOLD OPENING AND CLOSING MEANS AND SEGMENTED FEMALE MOLD
423	..Female mold moving into a mating relationship with a male shaping member	451	.Including traveling mold carrier or support
424	FEMALE MOLD VIBRATOR OR TAMPER, AND PRODUCT RELEASE MEANS	451.2	.Varying pressure and/or speed closing
425	FEMALE MOLD INCLUDING TAMPING MEANS OR MEANS UTILIZING MOLD MOTION TO DISTRIBUTE OR COMPACT STOCK THEREIN	451.3	.Rack and pinion
426	.Relatively moving female type shaping member and internal (e.g., trowel, etc.)shaping member	451.4	.Rotary cam
427	..Moving internal shaping member, stationary female-type member	451.5	.Articulated link
428	..Including tamper	451.6	..Toggle
429	.Including means imparting diverse motion	451.7	.Wedge or screw
430	..Plural female molds	451.9	SEGMENTED FEMALE MOLD AND MOLD CLAMPING MEANS
431	.Including tamper	452	FEMALE MOLD AND PALLET HANDLING MEANS
432	.Means to vibrate shaping surface	453	DYNAMIC SUPPORT OR DYNAMIC CARRIER AND FEMALE MOLD
433	.Peripherally supported for rotation on endless belt	454	.Means to raise or lower mold
434	.Plural female molds	456	VIBRATING MEANS (E.G., TAMPING ROD OR JARRING MEANS, ETC.) INCLUDING MECHANICAL MOVEMENT OR POWER MEANS
435	.Means to rotate female mold about horizontal axis	457	DYNAMIC MALE SHAPING MEANS INCLUDING MECHANICAL MOVEMENT OR POWER MEANS
436 R	SHAPING SURFACE INCLUDING MEANS TO RELEASE OR REMOVE PRODUCT FROM SHAPING SURFACE	458	HAND MOVABLE, SUBSTRATE TRAVERSING, PLURAL DIMENSION SHAPING MEANS
437	.By differential gas pressure ejecting means	459	PROFILE, JIGGER TOOL OR POTTER`S WHEEL PER SE
438	.By means releasing article from interiorly placed shaping surface	460	SHAPING MEMBER FOR TRAVERSING THE INTERIOR SURFACE OF HOLLOW WORK
439	.By means inverting mold	461	MEANS PROVIDING A SHAPING ORIFICE
440	.By means flexing or deforming the mold	462	.Plural distinct feed inlets
441	.By movable mold sections	463	..Plural distinct shaping orifices
442	..Hinged mold sections	464	.Single inlet, plural shaping orifices
443	..Sections relatively movable vertically	465	.Including means forming products with distinct portions of varying cross section
444	.By movable ejector means entering mold cavity	466	.Adjustable shaping orifice or shape imparting insert member (e.g., core, etc.)
436 RM	.Removal-Miscellaneous	467	.Core, pin or insert member
445	MEANS TREATING SHAPED WORK	468	CORE AND POSITIONING MEANS THEREFOR

469	TAMP ROD, PLUNGER OR MALE SHAPING MEMBER	DIG 13	ELECTRIC HEAT
470	SHAPING OR CASTING SURFACE (E.G., PLASTERING OR GUNITE TYPE, ETC.)	DIG 14	EXPANSIBLE AND COLLAPSIBLE
471	.Endless shaping surface	DIG 15	EXPLOSIVE
472	MISCELLANEOUS	DIG 16	EXTRUDE AND MOLD
		DIG 17	FILAMENT STRETCHING APPARATUS
		DIG 19	FLEXIBLE FLUID PRESSURE
		DIG 20	FLUIDIZED BED
		DIG 21	FRICTIONAL DRIVE
		DIG 22	FRICTION HEAT
		DIG 23	GLAZING
		DIG 24	GORA
		DIG 25	GUTTER
		DIG 26	HIGH PRESSURE
		DIG 27	HOT WATER BOTTLE
		DIG 28	IMPACT
		DIG 29	JIGS AND DIES
		DIG 30	LAMINATED MOLD
		DIG 32	LIPSTICK
		DIG 33	MAGNET
		DIG 34	MORIN
		DIG 35	OPOSED PLUNGER
		DIG 36	PATCHING
		DIG 37	PERFORATE
		DIG 38	PRE-FORM
		DIG 39	PRE-HEAT
		DIG 40	PULLING WHEEL
		DIG 41	RESHAPE
		DIG 42	RING
		DIG 43	ROCKET FUEL CORE
		DIG 44	RUBBER MOLD
		DIG 45	SAFETY
		DIG 46	SCRAP
		DIG 47	SEAL RING
		DIG 48	SHEET CLAMPING
		DIG 49	SPINNERETTE MIXER
		DIG 50	SPRAY
		DIG 51	SPRUE REMOVAL
		DIG 53	STRETCH
		DIG 54	THROUGH TRAVEL MOLD
		DIG 55	TEFLON
		DIG 56	TELEPHONE
		DIG 57	TOY MOLDING
		DIG 58	UNDERCUT
		DIG 59	UNITED PARTS
		DIG 60	VACUUM
		DIG 61	VENETIAN BLIND
		DIG 101	AGGREGATE AND PELLET
		DIG 102	AIR EJECTION
		DIG 105	BRACE
		DIG 106	CHAMBER
		DIG 107	CONNECTION
		DIG 108	CONVEYOR
		DIG 109	FRANGIBLE CONNECTIONS
		DIG 110	HEATED MOLD

CROSS-REFERENCE ART COLLECTIONS

801	BUTTON
802	CABLE TUBE OR ROD SPLICING
803	CANDLE OR CRAYON
804	CAPSULE MAKING
805	COMB OR BRUSH
806	FLASH REMOVAL
807	LACE TIPPING
808	LENS MOLD
809	SEAL (BOTTLE CAPS ONLY)
810	SOUND RECORD
811	STENCIL
812	VENTING
813	WATER BOTTLE
814	ZIPPER
815	CHEMICALLY INERT OR REACTIVE ATMOSPHERE
816	GAS MASK
817 R	MEANS MOLDING PORE FORMABLE MATERIAL
817 C	.Continuous
818	BELT

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1	ACCUMULATOR
DIG 2	AIR SUPPORT
DIG 3	APPENDAGE
DIG 4	BACK PRESSURE
DIG 5	CAMMED
DIG 7	COIL
DIG 9	COOLING AND COLOR
DIG 10	CORE POSITIONING
DIG 11	DENTAL INJECTION
DIG 12	DESTRUCTIBLE MOLD AND CORE

DIG 13	ELECTRIC HEAT
DIG 14	EXPANSIBLE AND COLLAPSIBLE
DIG 15	EXPLOSIVE
DIG 16	EXTRUDE AND MOLD
DIG 17	FILAMENT STRETCHING APPARATUS
DIG 19	FLEXIBLE FLUID PRESSURE
DIG 20	FLUIDIZED BED
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DIG 110	HEATED MOLD

DIG 111 HOLLOW BLOCK
DIG 112 INFLATABLE FORM
DIG 113 INNER ROLL
DIG 115 LUBRICATOR
DIG 116 MOLD CLEANING
DIG 117 PALLET
DIG 118 PALLET FEEDER
DIG 119 PERFORATED OR POROUS
DIG 120 POTTERY APPENDAGE
DIG 121 PROJECTION
DIG 122 REINFORCING AND AGGREGATE
DIG 123 REPRESS
DIG 124 RUBBER MATRIX
DIG 125 SAND MOLD
DIG 126 SILO MOLD
DIG 127 SPRING
DIG 128 SWINGING TOP PRESS
DIG 129 WEDGE
DIG 130 WIRE REINFORCE
DIG 131 YIELDING PLUNGER
DIG 132 PORTABLE
DIG 200 MOLDING PLANT(S)
DIG 201 .Diverse stations
DIG 202 .Earthenware type
DIG 231 .Control for blow molding
 apparatus
DIG 217 SPINNERETTE FORMING CONJUGATE,
 COMPOSITE OR HOLLOW FILAMENTS
DIG 218 PIPE MACHINE: SOCKET FORMING
 APPARATUS
DIG 219 WITH STICK INSERTING MEANS FOR
 EDIBLE PRODUCT (E.G.,
 POPSICLES)
DIG 221 INJECTION MOLD CLOSING AND
 LOCKING CLAMP, WEDGE OR
 RETENTION MEANS
DIG 223 INJECTION MOLD CLOSING MEANS
 UTILIZING VARIABLE CLOSING
 PRESSURE
DIG 224 INJECTION MOLD NOZZLE VALVE
DIG 225 .Automatic control
DIG 226 .Actuated by contact with mold
DIG 227 INJECTION NOZZLE; POSITIONED
 FLUSH WITH MOLD OR CAVITY
DIG 228 INJECTION PLUNGER OR RAM:
 TRANSFER MOLDING TYPE
DIG 229 INJECTION MOLD RUNNER VALVE
DIG 230 HAY WAFERING OR PELLETIZING MEANS
DIG 235 CALENDAR
DIG 236 ATTENUATING
DIG 237 VARYING DENSITY FOAM
DIG 238 BOAT HULL MOLD
DIG 239 MODULAR MOLD
DIG 240 PRE-FAB MOLD
DIG 241 WALL PANEL MOLD
DIG 242 PIPE JOINT SEAL MOLD
DIG 243 EXTRUSION OR INJECTION MOLDING
DIG 244 DIE AND MATRIX
DIG 245 HEAT
DIG 246 MOLD HEATING
DIG 247 MULTIPART INJECTION MOLDS
DIG 248 UNITING
DIG 249 CHARACTER